

Title (en)

VOLTAGE COMPENSATION DEVICE, INVERSION DEVICE, AND PHOTOVOLTAIC POWER GENERATION SYSTEM

Title (de)

SPANNUNGSKOMPENSATIONSVORRICHTUNG, INVERSIONSVORRICHTUNG UND FOTOVOLTAISCHES STROMERZEUGUNGSSYSTEM

Title (fr)

DISPOSITIF DE COMPENSATION DE TENSION, DISPOSITIF D'INVERSION ET SYSTÈME DE GÉNÉRATION D'ÉLECTRICITÉ PHOTOVOLTAÏQUE

Publication

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Application

EP 21845320 A 20210415

Priority

- CN 202010721883 A 20200724
- CN 2021087595 W 20210415

Abstract (en)

[origin: EP4184743A1] Embodiments of the present invention provide a voltage compensation apparatus, an inverter apparatus, and a photovoltaic power generation system. The system includes a photovoltaic panel string and an inverter apparatus. The inverter apparatus includes an inverter and a voltage compensation apparatus. One pole of a power output terminal of the voltage compensation apparatus is coupled and connected to an N wire in a power grid. In this way, the power output terminal of the voltage compensation apparatus can be directly coupled and connected to the N wire in the power grid, to form a power compensation loop, and there is no need to form a power compensation loop based on a grounding wire of the inverter. Therefore, an electric shock risk that exists when a person unintentionally comes into contact with a housing of the inverter can be eliminated.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

- [A] CN 203166494 U 20130828 - SUNGROW POWER SUPPLY CO LTD
- [A] US 10505370 B2 20191210 - GENG HOULAI [CN], et al
- [A] CN 104201981 B 20170111
- See references of WO 2022016919A1

Designated contracting state (EPC)

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EP 4184743 A1 20230524; **EP 4184743 A4 20240131**; CN 111969646 A 20201120; CN 111969646 B 20220722; CN 115085263 A 20220920; US 2023155382 A1 20230518; WO 2022016919 A1 20220127

DOCDB simple family (application)

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